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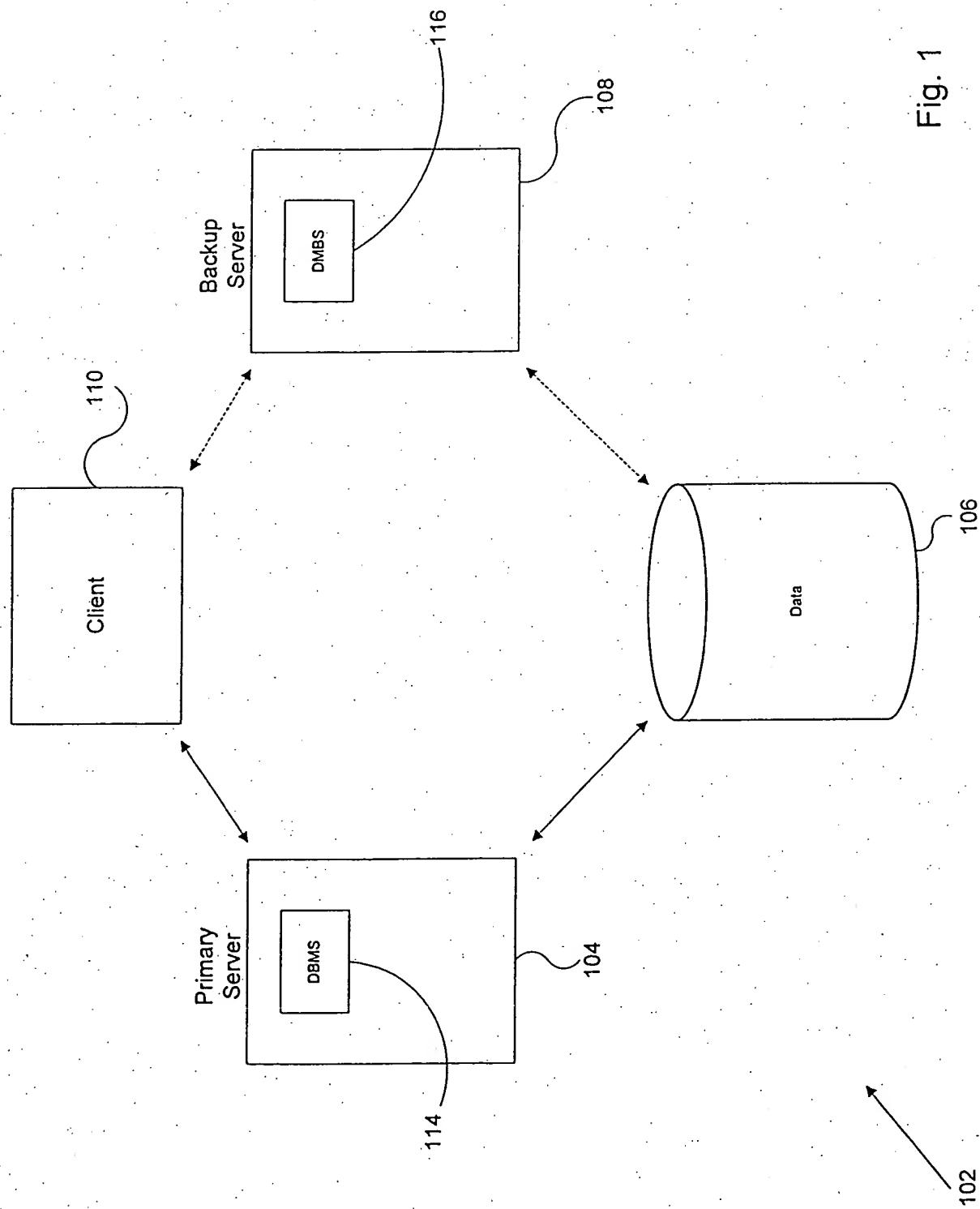
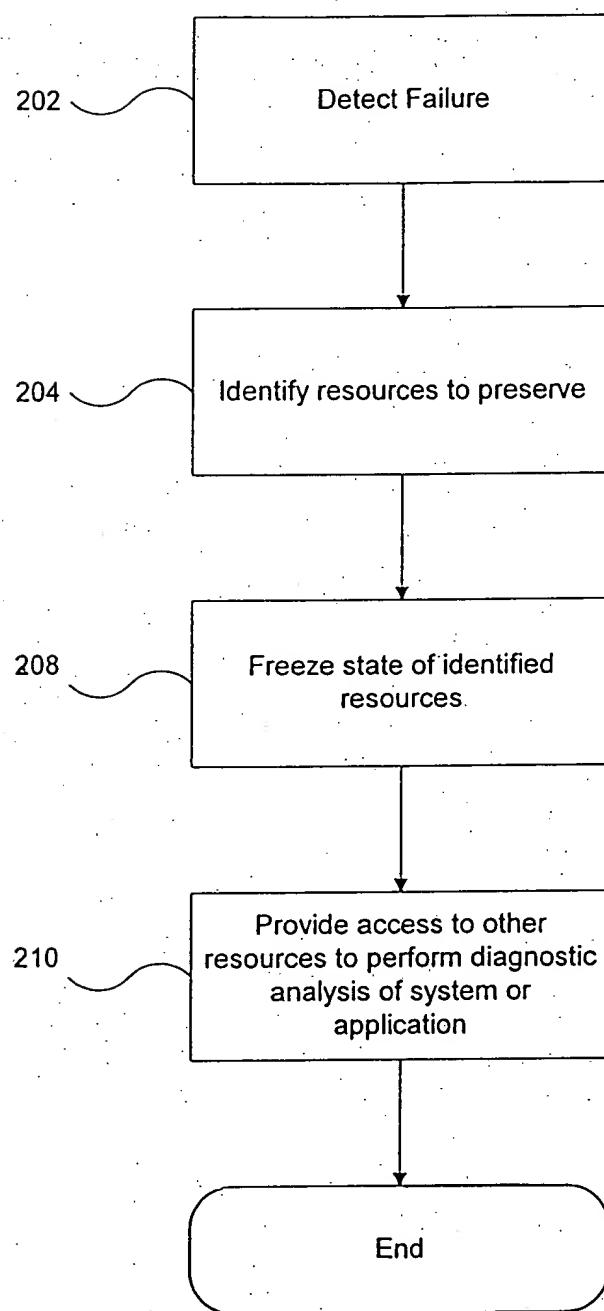


Fig. 1

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Fig. 2



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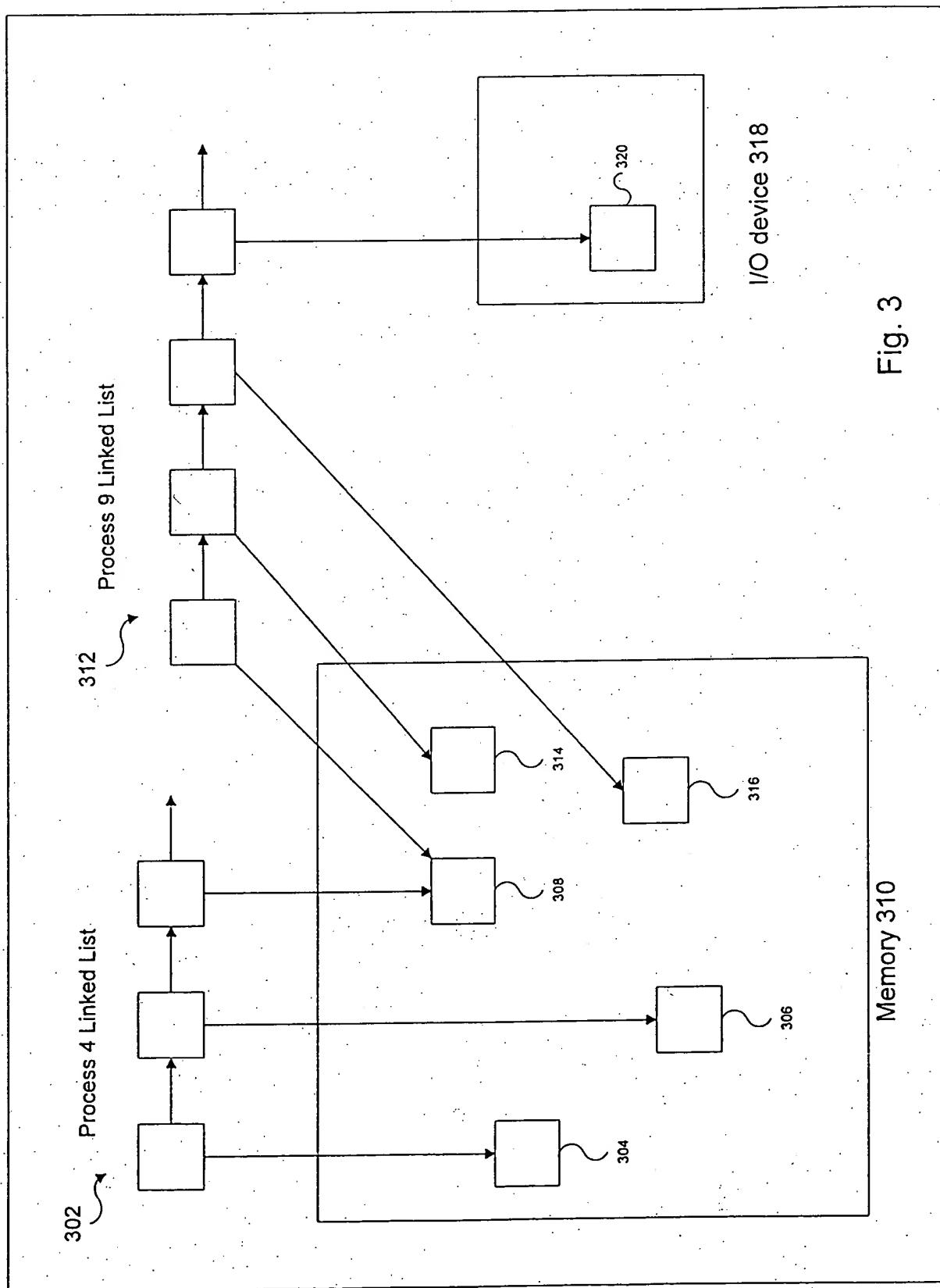


Fig. 3

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Process Type	Process IDs
OS Processes	Process 0, Process 1 Process 10
Database Application Processes	Process 2, Process 3, Process 4, Process 7, Process 8
Oracle Database Application Processes	Process 2, Process 3, Process 4
Acme Database Application Processes	Process 7, Process 8
I/O Application Processes	Process 9, Process 11
Communications Application Processes	Process 6, Process 12

400

Fig. 4

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<u>Failure Type</u>	<u>Processes to suspend</u>
Database application Failure	Database application processes
Database application failure with DB I/O operation failure	Database application processes; I/O processes
Failure type 3	Communications processes
Failure type 4	Operating system processes

500

Fig. 5

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<u>Failure Type</u>	<u>Processes to suspend</u>	<u>Resources to state freeze</u>
Database application Failure	Database application processes	Resources associated with database application processes
Database application failure with DB I/O operation failure	Database application processes; I/O processes	Resources associated with database application processes; resources associated with I/O processes
Failure type 3	Communications processes	Resources associated with communications processes
Failure type 4	Operating system processes	Resources associated with operating system processes

604

Fig. 6

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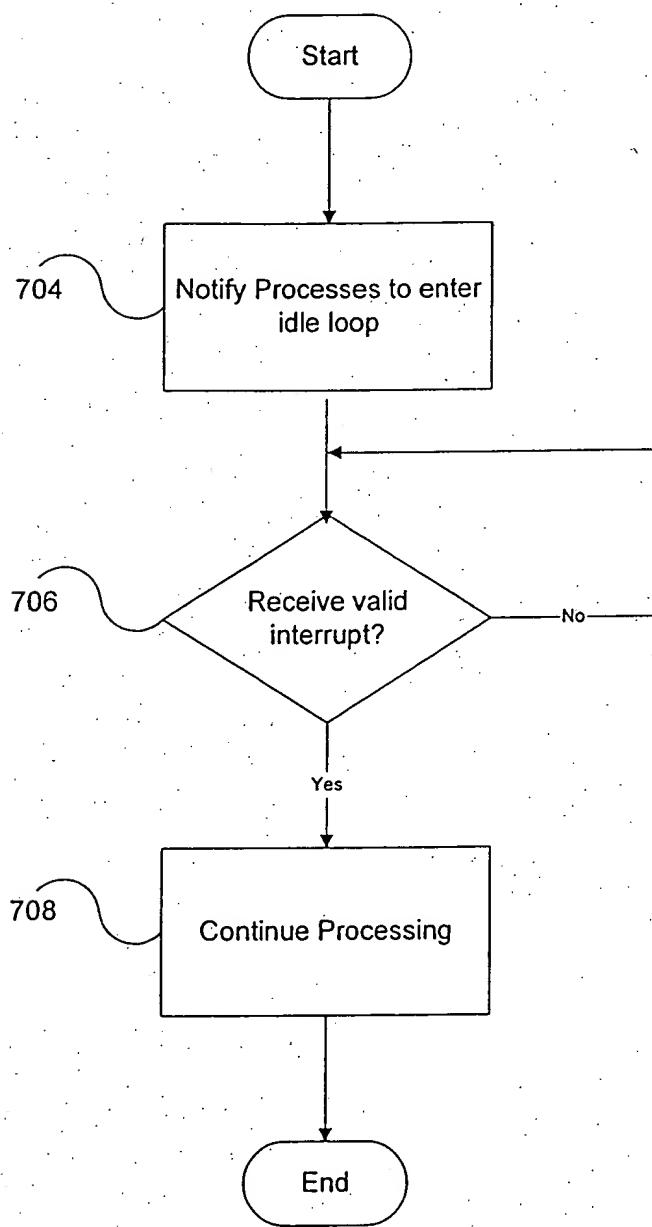


Fig. 7

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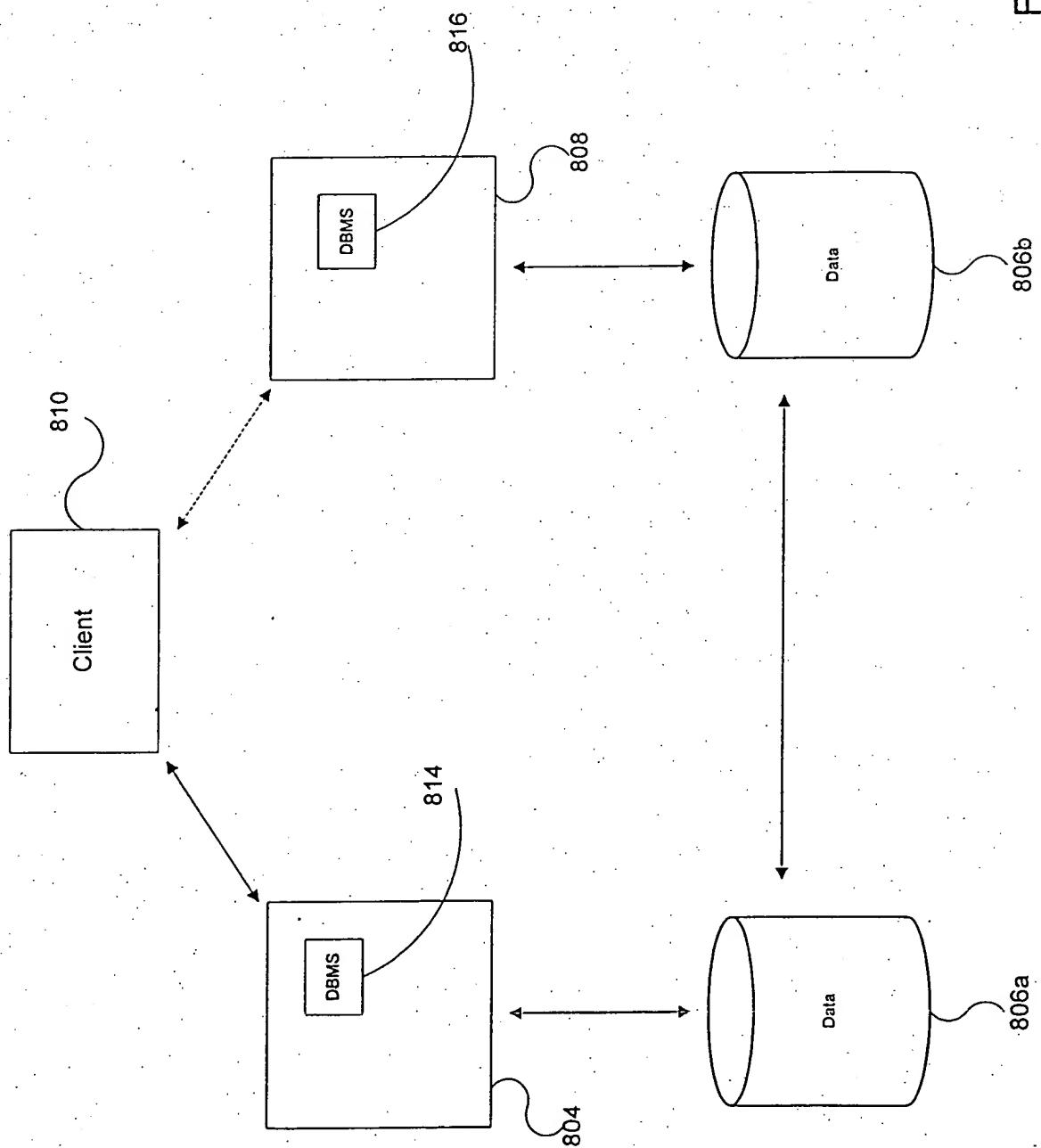


Fig. 8

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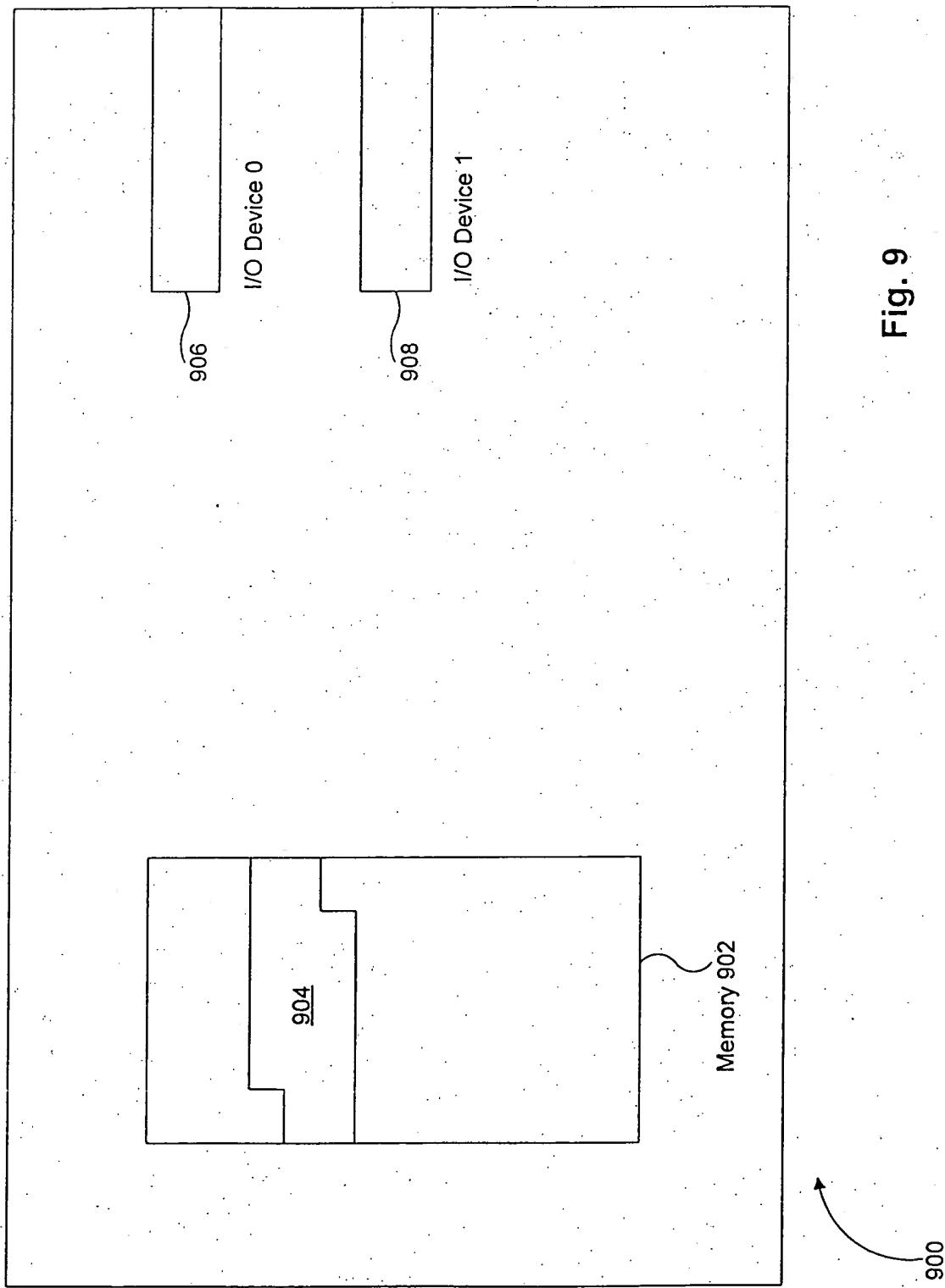


Fig. 9

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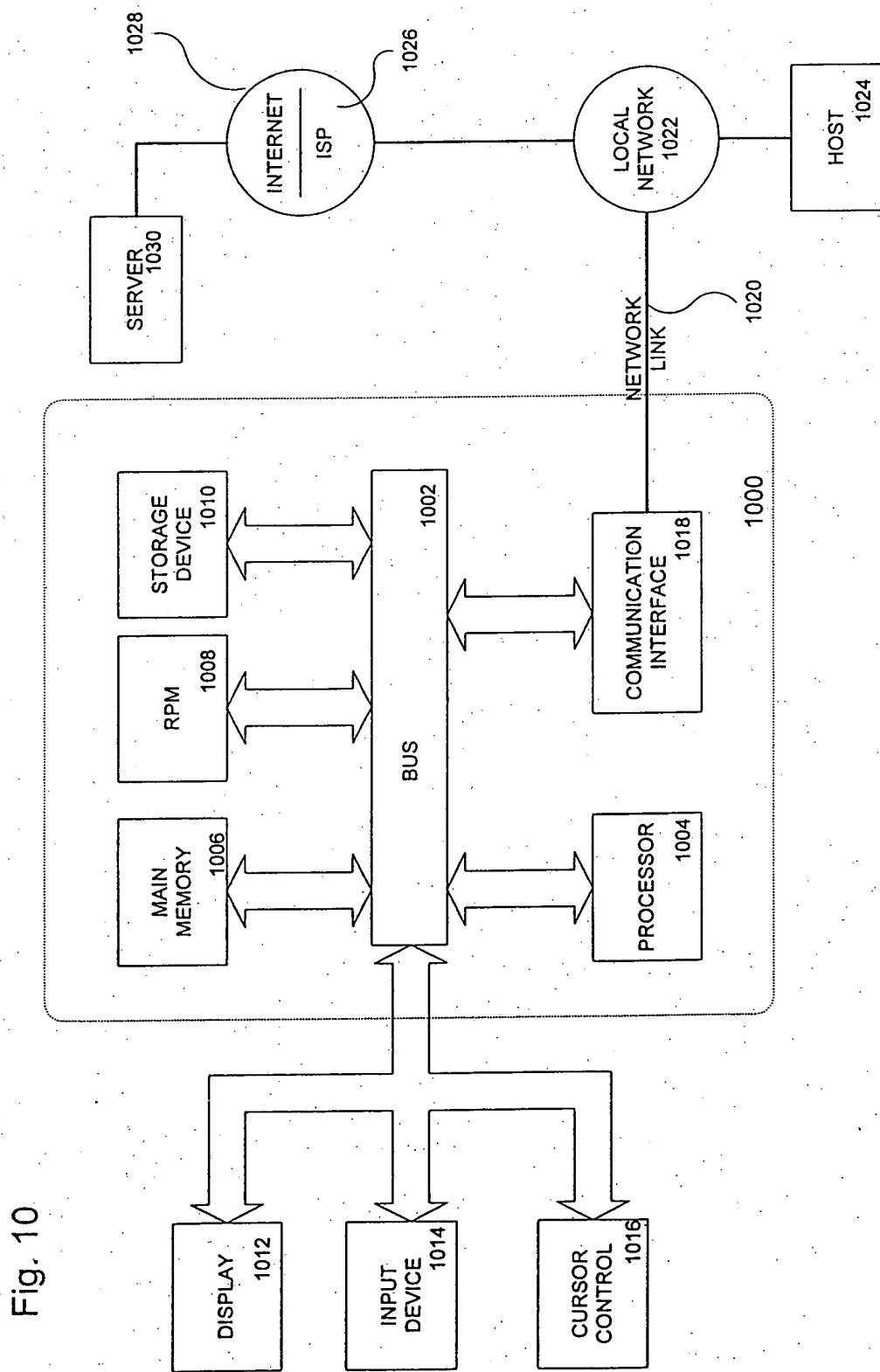


Fig. 10

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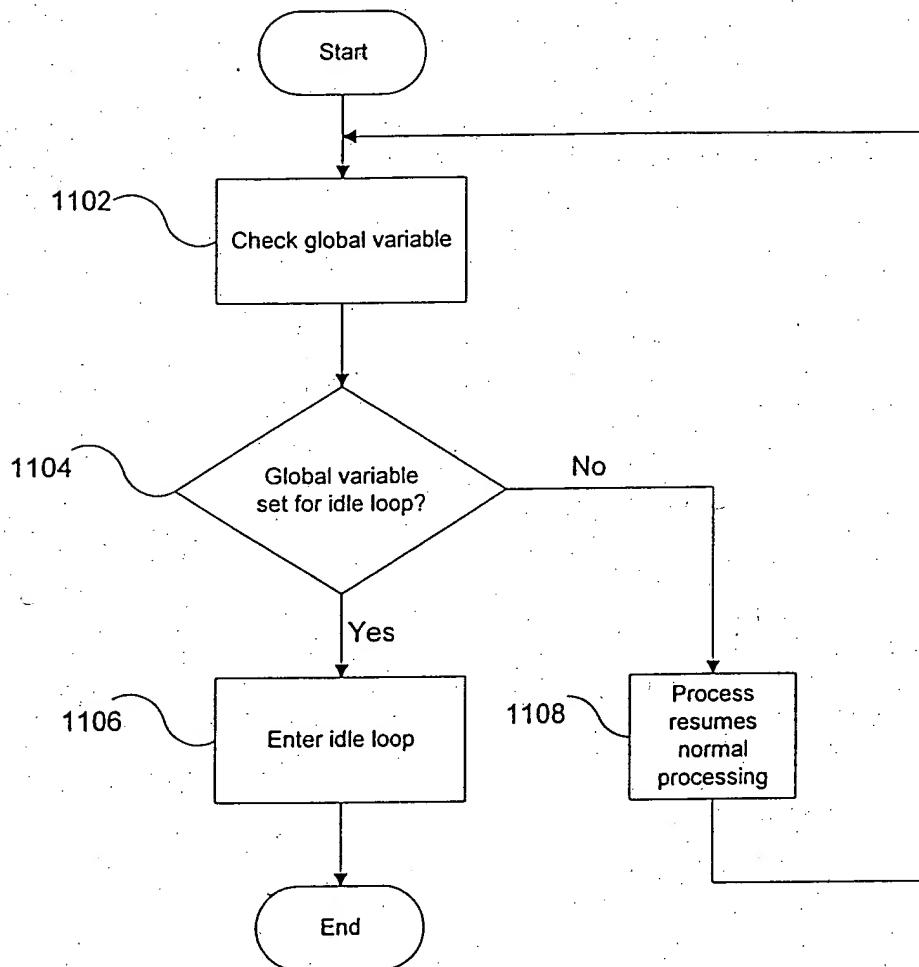


Fig. 11